```
=> fil reg
FILE 'REGISTRY' ENTERED AT 11:23:51 ON 12 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    10 JAN 2006   HIGHEST RN 871658-99-0
DICTIONARY FILE UPDATES:   10 JAN 2006   HIGHEST RN 871658-99-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

***********************************************************************
*                                                                     *
* The CA roles and document type information have been removed from   *
* the IDE default display format and the ED field has been added,     *
* effective March 20, 2005.  A new display format, IDERL, is now      *
* available and contains the CA role and document type information.   *
*                                                                     *
***********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> d sta que 143
L16              STR
```

STN Search Done BY STIC

```
    4
    O                          C===C- .C  .        C ≡ C·  C
    ¦¦                         @12 13 14           @15 16 17
O — C---- C-.  C-·  C· ·  C·   C·  ·C·   C·  G1
1    2    3    5    6    7    8    9    10  11


VAR G1=12/15
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   17

STEREO ATTRIBUTES: NONE
L18         27375 SEA FILE=REGISTRY SSS FUL L16
L19              STR
```
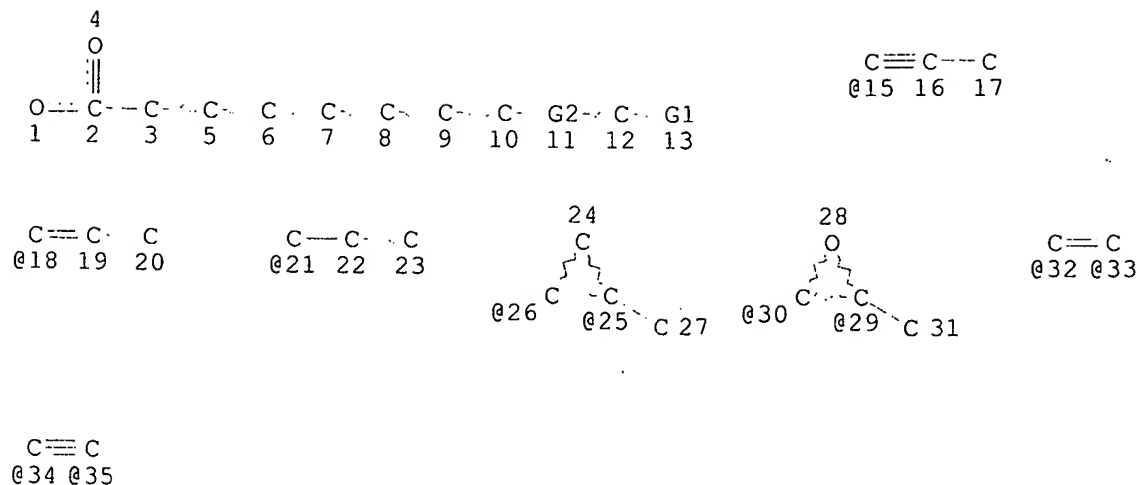
```
        4
        O
        ‖                                                    C≡C——C
 O══C——C··C·  C· C·  C·  C··C·  G2··C·· G1                    @15 16 17
 1   2   3   5   6   7   8   9  10  11  12  13
```

```
 C══C·  C              C——C· ·C            24                28                    C══C
 @18 19  20            @21 22 23           C                 O                     @32 @33
                                          /  \              /·\
                                     C   ·C            C···C
                                  @26  @25  C 27    @30   @29  C 31
```

```
 C≡C
 @34 @35
```

```
VAR G1=15/18/21/26/25/30/29
VAR G2=32-10 33-12/34-10 35-12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   34

STEREO ATTRIBUTES: NONE
L21         25854 SEA FILE=REGISTRY SUB=L18 SSS FUL L19
L22                   STR
```
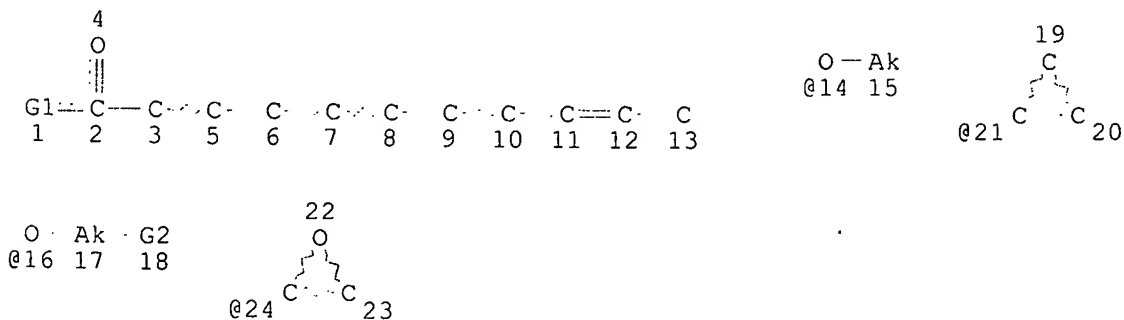
```
        4                                                             19
        O                                       O — Ak                C
        ‖                                        @14 15              /  \
 G1══C——C··C·  C·  ·C·  C·  C··C·  ·C══C·  C                       C  ·C 20
 1   2   3   5   6   7   8   9  10  11  12  13                    @21
```

```
                                 22
 O · Ak · G2                     O
 @16 17   18                    / \
                              C···C 23
                           @24
```

```
VAR G1=OH/14/16
VAR G2=OH/X/NH2/CN/21/24
NODE ATTRIBUTES:
CONNECT IS M1  RC AT   13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   24

STEREO ATTRIBUTES: NONE
L24         10288 SEA FILE=REGISTRY SUB=L21 CSS FUL L22
L26               SCR 2039 OR 2050 OR 2049 OR 2053 OR 2052 OR 2043 OR 2054
```
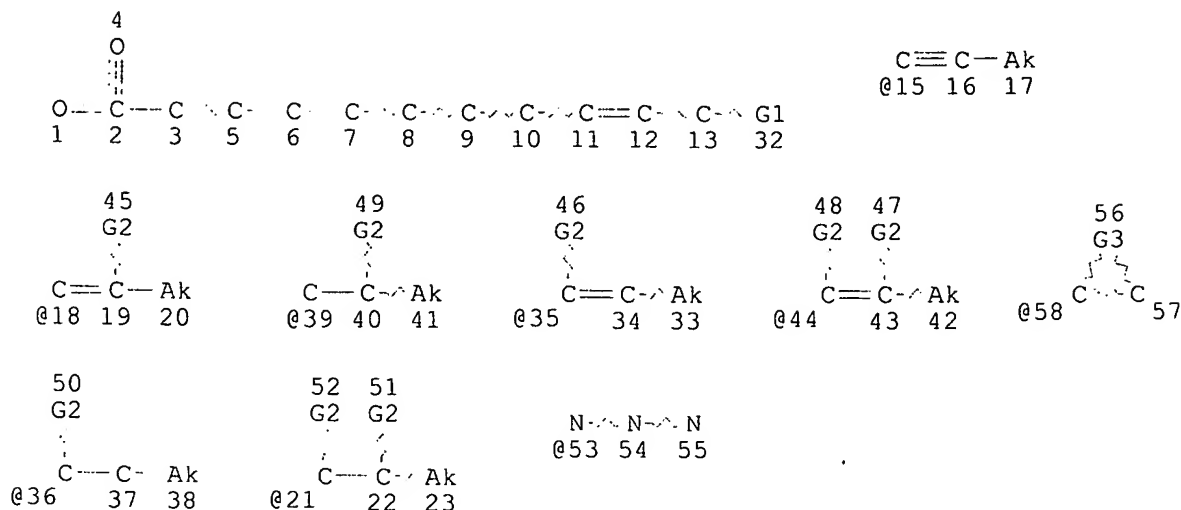
```
L28            3450 SEA FILE=REGISTRY SUB=L24 SSS FUL L26
L29            6838 SEA FILE=REGISTRY ABB=ON   PLU=ON  L24 NOT L28
L30            1831 SEA FILE=REGISTRY ABB=ON   PLU=ON  L29 AND IDS/CI
L31                 STR
```



```
VAR G1=15/39/36/21/18/35/44
VAR G2=O/X/N/CN/53/58
VAR G3=C/O
NODE ATTRIBUTES:
CONNECT IS M1  RC AT   1
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  49

STEREO ATTRIBUTES: NONE
L33             504 SEA FILE=REGISTRY SUB=L29 CSS FUL L31
L34              67 SEA FILE=REGISTRY ABB=ON   PLU=ON  L33 AND L30
L35             437 SEA FILE=REGISTRY ABB=ON   PLU=ON  L33 NOT L34
L36               1 SEA FILE=REGISTRY ABB=ON   PLU=ON  L34 AND C38H74O3
L37             438 SEA FILE=REGISTRY ABB=ON   PLU=ON  (L35 OR L36)
L38              95 SEA FILE=REGISTRY ABB=ON   PLU=ON  L37 AND NC>=2
L39              42 SEA FILE=REGISTRY ABB=ON   PLU=ON  L38 NOT SALT
L40              53 SEA FILE=REGISTRY ABB=ON   PLU=ON  L38 NOT L39
L41              43 SEA FILE=REGISTRY ABB=ON   PLU=ON  L40 NOT (C6H15NO3 OR
                    C6H15NO2 OR C2H7NO OR C4H11NO2 OR C90H162O11 OR H3O4P OR
                    MXS/CI)
L42             343 SEA FILE=REGISTRY ABB=ON   PLU=ON  L37 NOT L38
L43             386 SEA FILE=REGISTRY ABB=ON   PLU=ON  (L41 OR L42)


=> d his

     (FILE 'HOME' ENTERED AT 09:59:01 ON 12 JAN 2006)
               SET COST OFF

     FILE 'HCAPLUS' ENTERED AT 09:59:15 ON 12 JAN 2006
L1                3 S (US20040157803 OR US6903052 OR US2003176402 OR US6887900 OR U
                    E WILLIAMS D/AU
```

jan delaval - 12 january 2006

```
L2         230 S E3
               E WILLIAMS D J/AU
L3         402 S E3-E9
               E WILLIAMS DER/AU
L4          51 S E4,E10,E18-E20
               E KLOEK/AU
L5          35 S E4-E6
               E HRESKO/AU
L6          13 S E5,E6
               E SHORTT B/AU
L7          15 S E3-E7
               E DAVILA/AU
L8          22 S E4,E25-E28
               E DAVILAA/AU
               E APONTE/AU
L9          11 S E33,E36
               E BRADLEY J/AU
L10        111 S E3,E7,E8
               E BRADLEY JOHN/AU
L11        100 S E3,E5
               E MCCARTER J/AU
L12        117 S E8-E11
               E MC CARTER J/AU
               E MCLAIRD M/AU
L13         10 S E4
               E MC LAIRD M/AU
               E DIVERGENC/PA,CS
L14         13 S E5-E15
               SEL RN L1


       FILE 'REGISTRY' ENTERED AT 10:05:30 ON 12 JAN 2006
L15         25 S E1-E25
L16            STR
L17         50 S L16
L18      27375 S L16 FUL
               SAV TEMP L18 PAK655/A
L19            STR L16
L20         50 S L19 SAM SUB=L18
L21      25854 S L19 FUL SUB=L18
               SAV TEMP L21 PAK655A/A
L22            STR L19
L23         50 S L22 CSS SAM SUB=L21
L24      10288 S L22 CSS FUL SUB=L21
               SAV TEMP L24 PAK655B/A
L25         15 S L15 AND L24
L26            SCR 2039 OR 2050 OR 2049 OR 2053 OR 2052 OR 2043 OR 2054
L27         50 S L26 SAM SUB=L24
L28       3450 S L26 FUL SUB=L24
               SAV TEMP L28 PAK655C/A
L29       6838 S L24 NOT L28
L30       1831 S L29 AND IDS/CI
L31            STR L19
L32         30 S L31 CSS SAM SUB=L29
L33        504 S L31 CSS FUL SUB=L29
               SAV TEMP L33 PAK655D/A
L34         67 S L33 AND L30
L35        437 S L33 NOT L34
L36          1 S L34 AND C38H74O3
L37        438 S L35,L36
L38         95 S L37 AND NC>=2
```

```
L39         42 S L38 NOT SALT
L40         53 S L38 NOT L39
L41         43 S L40 NOT (C6H15NO3 OR C6H15NO2 OR C2H7NO OR C4H11NO2 OR C90H16
L42        343 S L37 NOT L38
L43        386 S L41,L42
L44        392 S L25,L43
L45          6 S L44 NOT L43
               SAV TEMP L43 PAK655E/A


       FILE 'HCAOLD' ENTERED AT 10:52:23 ON 12 JAN 2006
L46         20 S L45
L47        134 S L43


       FILE 'HCAPLUS' ENTERED AT 10:54:38 ON 12 JAN 2006
L48      38550 S L45
L49       4127 S L43
L50          6 S L1-L14 AND L48
L51          5 S L1-L14 AND L49
L52          6 S L50,L51
               E NEMATOD/CT
L53       2703 S E4-E33
L54        327 S E36
               E E36+ALL
               E NEMATOC/CT
               E E17+ALL
L55       4907 S E8
L56         17 S L48,L49 AND L53-L55
L57         59 S L48,L49 AND ?NEMATOD?
L58         12 S L48,L49 AND ?NEMATOC?
L59         64 S L52,L56-L58
L60         51 S L59 AND (PY<=2002 OR PRY<=2002 OR AY<=2002)
L61          6 S L60 AND L49
               SEL RN


       FILE 'REGISTRY' ENTERED AT 10:58:54 ON 12 JAN 2006
L62         70 S E1-E70
L63         13 S L62 AND L43
L64          6 S L62 AND L45
L65         51 S L62 NOT L63,L64
L66         13 S L65 AND L18


       FILE 'HCAPLUS' ENTERED AT 11:03:48 ON 12 JAN 2006
L67          8 S L49 AND (L53-L55 OR ?NEMATOD? OR ?NEMATOC?)
L68          6 S L67 AND (PY<=2002 OR PRY<=2002 OR AY<=2002)
L69         14 S L52,L58
L70          6 S L63 AND L69
L71          8 S L69 NOT L70
L72          1 S L71 AND L1-L14
L73          7 S L70,L72
L74         24 S L43(L)AGR/RL
L75         61 S L49 AND AGR?/SC,SX
L76         64 S L74,L75 AND (PY<=2002 OR PRY<=2002 OR AY<=2002)
               SEL HIT RN


       FILE 'REGISTRY' ENTERED AT 11:18:33 ON 12 JAN 2006
L77         33 S E71-E103
L78         10 S L77 AND L63
L79         23 S L77 NOT L78


       FILE 'HCAPLUS' ENTERED AT 11:19:54 ON 12 JAN 2006
```

```
L80          61 S L76 NOT L61
L81          10 S L80 NOT P/DT
L82          51 S L80 NOT L81
L83          67 S L61,L80-L82
L84          51 S L83 AND P/DT AND (PD<=20020701 OR PRD<=20020701 OR AD<=200207
L85          13 S L83 AND PY<=2002 NOT P/DT
L86          64 S L84,L85                                .
L87           3 S L83 NOT L86
```